

VCL Posters

Vegetation Canopy Lidar (VCL)

Publications and Resources

(links directly to the University of Maryland Vegetation Canopy Lidar resources)

Posters

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Mapping Canopy Closure
Using Wide-Footprint Lidar

Birgit Peterson, Dan Gillespie,
J. Bryan Blair, Robert Knox, Michelle Hofton, Steve Prince and Ralph Dubayah

Presented at the 2000 Annual Meeting of The Ecological Society of America. Salt Lake City, UT.

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Examining Landscape-scale
Variability in Tropical Forest Aboveground Biomass using Lidar

Jason Drake, David Clark, Ralph Dubayah, Robert Knox and J. Bryan Blair

Presented at the 2000 Annual Meeting of The Ecological Society of America. Salt Lake City, UT.

- Multiscale analysis of spatio-temporal dynamics in tropical
rainforests

Jason Godin, John Weishampel and Ralph Dubayah

Presented at the 2000 International Conference on Complex Systems. Nashua, NH.

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A Ground Validation
Network for Remote Sensing of Forest Canopy Structure

Robert Knox, Ralph Dubayah,
J. Bryan Blair, Michelle Hofton, Birgit Peterson, Jason Drake, John Weishampel
and David Clark

Presented at the 2000 Joint Meeting of The British Ecological Society and the Ecological Society of America. Orlando, FL.

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Spatial Variation of Vertical Structure in Tropical Dry and Wet Forests

Carrie Yoder and John
Weishampel

Presented at the 2000 Joint Meeting of The British Ecological Society and the Ecological Society of America. Orlando, FL.

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Multi-dimensional
Characterization of Tropical Rainforest Canopy Structure

Jason Godin, John Weishampel,

and Ralph Dubayah

Presented at the 2000 Joint Meeting of The British Ecological Society and the Ecological Society of America. Orlando, FL.

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Spatial Variation of Vertical Tropical Forest Structure in Relation to Remotely Sensed Laser Waveforms

Carrie Yoder and John
Weishampel

Presented at the Second International Conference Geospatial Information in Agriculture and Forestry. 2000. Orlando, FL.

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Intitalization and Validation
of Global Terrestrial Ecosystem Models using Lidar Remote Sensing

Ralph Dubayah, George Hurtt,
Jason Drake, Birgit Peterson, Paul Moorcroft and Steve Pacala

Presented at the 1999 Fall American Geophysical Union Meeting. San Francisco, CA.

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Recovery of Dense Forest
Canopy Heights and Structure using Wide-Footprint Lidar

Birgit Peterson, Jason Drake,
David Clark, Robert Knox, J. Bryan Blair, Michelle Hofton, Nancy Casey-McCabe
and Ralph Dubayah

Presented at the 1999 Annual Meeting of The Ecological Society of America. Spokane, WA.

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Estimation of Tropical
Forest Structural Characteristics using Large-Footprint Lidar

Jason Drake, Birgit Peterson,
David Clark, Robert Knox, J. Bryan Blair, Michelle Hofton, Nancy Casey-McCabe
and Ralph Dubayah

Presented at the 1999 Annual Meeting of The Ecological Society of America. Spokane, WA.

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Lidar
Remote Sensing of Sub-Canopy Topography in a Tropical Wet Forest

Laura Rocchio, Michelle Hofton,
Ralph Dubayah, J. Bryan Blair and Robert Knox

Presented at the 1998 Fall American Geophysical Union Meeting. San Francisco, CA.

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Recovery
of Dense Forest Canopy Heights Using Wide- Footprint Lidar

Birgit Peterson, Robert Knox,
David Clark, J. Bryan Blair, Michelle Hofton, Laura Rocchio, Jason Drake
and Ralph Dubayah

Presented at the 1998 Fall American Geophysical Union Meeting. San Francisco, CA.

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Multifractal
and Lacunarity of Remotely-Sensed and Simulated Spatial Patterns of a Longleaf
Savanna

Jason B. Drake
and John F. Weishampel

Presented at the 1998 Annual Meeting of The Ecological Society of America. Baltimore, MD

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Spatial
Pattern Analysis of Pre- and Post-Hurricane Canopy Structure in the Duke
Forest, Durham, NC

Jeffry C. Boutet, Jr. and John F. Weishampel

Presented at the 1998 Annual Meeting of The Ecological Society of America. Baltimore, MD

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Scales
of canopy height distribution in North American landcover classification
schemes based on laser altimetry

Jason Godin, John Weishampel
and Robert Knox

Presented at the 1998 Annual Meeting of The Ecological Society of America. Baltimore, MD

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The
Vegetation Canopy Lidar Mission: 3D Rainforest Structure from La Selva,
Costa Rica.

Ralph Dubayah, Steve Prince, J. Bryan Blair,
Robert Knox, David Clark and John Weishampel

Presented at the Second International Canopy Conference 1998, Forest Canopies: Global Perspectives. Sarasota, FL.

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First
Results from the Costa Rican Calibration/Validation Campaign.

Ralph Dubayah

Presented at the EOS IWG Meeting, Durham NH 1998.